

Ohio State University  
Horticulture and Crop Science

FALL AND SPRING HORSEWEED CONTROL RESIDUAL PROGRAMS

Title No. 2:  
 Trial ID: 12FALLSOY5 Protocol ID: 12FALLSOY5  
 Location: WESTERN BRANCH F-9 W Study Director:  
 Project ID: Investigator: Dr. Mark M. Loux  
 Sponsor Contact:

General Trial Information

Study Director: Anthony F. Dobbels Title: Research Specialist  
 Investigator: Dr. Mark M. Loux Title: Professor

Trial Location

City: South Charleston Latitude of LL Corner °: 39.85886 N  
 State/Prov.: Ohio Longitude of LL Corner °: 83.6735 W  
 Postal Code: 45368  
 Country: USA

Crop Description

Crop 1: GLXMA Glycine max Soybean  
 Variety: Pioneer 93Y51 Description: RR  
 BBCH Scale: BSOY Planting Date: Apr-30-2012  
 Planting Method: SEEDED seeded Rate, Unit: 168000 S/A  
 Depth, Unit: 0.5 IN  
 Row Spacing, Unit: 15 IN  
 Seed Bed: MEDIUM medium Soil Temperature, Unit: 63 F  
 Soil Moisture: SLIWET slightly wet

Pest Description

Pest 1 Type: W Code: STEME *Stellaria media*  
 Common Name: Common chickweed  
 Pest 2 Type: W Code: LAMPU *Lamium purpureum*  
 Common Name: Purple deadnettel  
 Pest 3 Type: W Code: TAROF *Taraxacum officinale*  
 Common Name: Common dandelion  
 Pest 4 Type: W Code: SENGL *Senecio glabellus*  
 Common Name: Cressleaf groundsel  
 Pest 5 Type: W Code: VERPG *Veronica peregrina*  
 Common Name: Purslane speedwell  
 Pest 6 Type: W Code: VERAR *Veronica arvensis*  
 Common Name: Corn speedwell  
 Pest 7 Type: W Code: ERICA *Conyza canadensis*  
 Common Name: Canada horseweed  
 Pest 8 Type: W Code: SETFA *Setaria faberi*  
 Common Name: Giant foxtail  
 Pest 9 Type: W Code: AMBTR *Ambrosia trifida*  
 Common Name: Giant ragweed

Site and Design

Plot Width, Unit: 10 FT Site Type: FIELD field  
 Plot Length, Unit: 30 FT Experimental Unit: 1 PLOT plot  
 Plot Area, Unit: 300 FT2 Tillage Type: NOTILL no-till  
 Replications: 3 Study Design: RACOB L Randomized Complete Block (RCB)  
 Untreated Arrangement: INCLUDED single control randomized in each block

Soil Description

Description Name: F-9 West  
 % OM: 2 Texture: SICL silty clay loam  
 pH: 6.1 Soil Name: Kokomo  
 CEC: 11.5 Fert. Level: G good  
 Soil Drainage: G good

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Application Description

	A	B
Application Date:	Nov-17-2011	Apr-25-2012
Time of Day:	10:00 A.M	10:00 A.M
Application Method:	SPRAY	SPRAY
Application Timing:	FALL	7 EPP
Application Placement:	BROFOL	BROFOL
Applied By:	McCormick	Bethel
Air Temperature, Unit:	38 F	55 F
% Relative Humidity:	49	62
Wind Velocity, Unit:	8 MPH	5 MPH
Wind Direction:	WSW	S
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	41 F	45 F
Soil Moisture:	SLIWET	GOOD
% Cloud Cover:	7	3
Next Rain Occurred On:	Nov-21-2011	Apr-26-2012

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA	BSOY

Pest Stage At Each Application

	A		B	
Pest 1 Code, Type, Scale:	STEME	W	STEME	W
Stage Majority, Percent:	19	100	65	100
Diameter, Unit:	3	IN	8	IN
Height, Unit:	1	IN	0.5	IN
Height Minimum, Maximum:	1	2	0.5	1
Pest 2 Code, Type, Scale:	LAMPU	W	LAMPU	W
Stage Majority, Percent:	14	90	65	100
Stage Minimum, Percent:	12	10		
Stage Maximum, Percent:	14	90		
Diameter, Unit:	1	IN	3	IN
Height, Unit:	1	IN	4	IN
Height Minimum, Maximum:	1	2	4	5
Pest 3 Code, Type, Scale:	TAROF	W	TAROF	W
Stage Majority, Percent:	16	100	65	100
Diameter, Unit:	4	IN	8	IN
Height, Unit:	0.5	IN	2	IN
Height Minimum, Maximum:	0.5	1	2	3
Pest 4 Code, Type, Scale:	SENGL	W	SENGL	W
Stage Majority, Percent:	18	100	65	100
Diameter, Unit:	4	IN	6	IN
Height, Unit:	1	IN	12	IN
Height Minimum, Maximum:	1	1	10	12
Pest 5 Code, Type, Scale:	VERPG	W	VERPG	W
Stage Majority, Percent:			65	100
Diameter, Unit:			6	IN
Height, Unit:			4	IN
Height Minimum, Maximum:			4	5
Pest 6 Code, Type, Scale:	VERAR	W	VERAR	W
Stage Majority, Percent:			65	100
Diameter, Unit:			5	IN
Height, Unit:			1	IN
Height Minimum, Maximum:			1	2
Pest 7 Code, Type, Scale:	ERICA	W	ERICA	W
Stage Majority, Percent:			12	50
Stage Minimum, Percent:			12	50
Stage Maximum, Percent:			19	50
Diameter, Unit:			3	IN
Height, Unit:			1	IN
Height Minimum, Maximum:			0.5	1
Pest 8 Code, Type, Scale:	SETFA	W	SETFA	W
Stage Majority, Percent:			11	100
Height, Unit:			0.5	IN
Height Minimum, Maximum:			0.5	0.75
Pest 9 Code, Type, Scale:	AMBTR	W	AMBTR	W
Stage Majority, Percent:			14	100
Diameter, Unit:			2	IN
Height, Unit:			2	2

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## Application Equipment

	A	B
Appl. Equipment:	10 Foot Boom	10' AI XR
Equipment Type:	SPRBAC	SPRBAC
Operation Pressure, Unit:	46 PSI	46 PSI
Nozzle Type:	TEEJET DG	AI XR
Nozzle Size:	80015	110015
Nozzle Spacing, Unit:	18 IN	18 IN
Boom Length, Unit:	10 FT	10 FT
Boom Height, Unit:	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA
Mix Size, Unit:	0.33 Gallons	2 Liters
Propellant:	CO2	CO2

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Protocol ID: 12FALLSOY5

Location: WESTERN BRANCH F-9 W

Study Director:

Project ID:

Investigator: Dr. Mark M. Loux

Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	AMBTR	STEME	LAMPU	TAROF							
Pest Scientific Name	Ambrosia trifi>	Stellaria media	Lamium purpure>	Taraxacum offi>							
Pest Name	Giant ragweed	Common chickwe>	Purple deadnet>	Common dandel>							
Rating Date	Apr-17-2012	Apr-17-2012	Apr-17-2012	Apr-17-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing											
Days After First/Last Applic.	152	152	152	152							
Trt-Eval Interval	152 DA-A	152 DA-A	152 DA-A	152 DA-A							
Plant-Eval Interval	-13 DP-1	-13 DP-1	-13 DP-1	-13 DP-1							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4
1	Canopy EX 1.1							83 a	90 ab	70 ab	100 a
1	Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
1	Express	0.0046 lb ai/a		0.147 oz/a		FALL					
1	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
1	COC	1 % v/v		0.6 qt/a		FALL					
1	Canopy EX 1.1										
1	Classic	0.0156 lb ai/a		1 oz/a		7 EPP	B				
1	Express	0.0046 lb ai/a		0.147 oz/a		7 EPP					
1	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
1	COC	1 % v/v		0.6 qt/a		7 EPP					
2	Canopy EX 1.1							100 a	100 a	100 a	97 a
2	Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
2	Express	0.0046 lb ai/a		0.147 oz/a		FALL					
2	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
2	COC	1 % v/v		0.6 qt/a		FALL					
2	Canopy	0.164 lb ai/a		3.5 oz/a		7 EPP	B				
2	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
2	COC	1 % v/v		0.6 qt/a		7 EPP					
3	Canopy EX 1.1							87 a	100 a	98 a	93 a
3	Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
3	Express	0.0046 lb ai/a		0.147 oz/a		FALL					
3	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
3	COC	1 % v/v		0.6 qt/a		FALL					
3	VALOR XLT 3.5 oz										
3	Valor SX	0.0653 lb ai/a		2.05 oz/a		7 EPP	B				
3	Classic	0.0227 lb ai/a		1.45 oz/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	VALOR XLT 2.5 oz							90 a	100 a	100 a	83 a
4	Valor SX	0.0465 lb ai/a		1.46 oz/a		FALL	A				
4	Classic	0.0161 lb ai/a		1.03 oz/a		FALL					
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
4	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
4	VALOR XLT 2.5 oz										
4	Valor SX	0.0465 lb ai/a		1.46 oz/a		7 EPP	B				
4	Classic	0.0161 lb ai/a		1.03 oz/a		7 EPP					
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
5	Canopy	0.234 lb ai/a		5 oz/a		7 EPP	B	67 ab	50 bc	33 b	7 c
5	Ignite	0.53 lb ai/a		29 oz/a		7 EPP					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	STEME	LAMPU	TAROF
Pest Scientific Name	Ambrosia trifi>	Stellaria media	Lamium purpure>	Taraxacum offi>
Pest Name	Giant Common chickwe> ragweed	Purple deadnet>	Common dandel>	
Rating Date	Apr-17-2012	Apr-17-2012	Apr-17-2012	Apr-17-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Rating Timing				
Days After First/Last Applic.	152 152	152 152	152 152	152 152
Trt-Eval Interval	152 DA-A	152 DA-A	152 DA-A	152 DA-A
Plant-Eval Interval	-13 DP-1	-13 DP-1	-13 DP-1	-13 DP-1
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Other Other	Growth Appl	
No. Name	Rate	Rate Rate Unit	Stage Code	1 2 3 4
6 VALOR XLT 4 oz				23 b 43 c 37 b 17 c
6 Valor SX	0.075 lb ai/a	2.35 oz/a	7 EPP B	
6 Classic	0.0258 lb ai/a	1.65 oz/a	7 EPP	
6 Ignite	0.53 lb ai/a	29 oz/a	7 EPP	
6 N-PAK AMS	2.5 % v/v	1.5 qt/a	7 EPP	
7 VALOR XLT 4 oz				23 b 40 c 43 b 40 bc
7 Valor SX	0.075 lb ai/a	2.35 oz/a	7 EPP B	
7 Classic	0.0258 lb ai/a	1.65 oz/a	7 EPP	
7 Roundup PowerMax	0.77 lb ae/a	22 oz/a	7 EPP	
7 2,4-D Ester	0.5 lb ai/a	1 pt/a	7 EPP	
7 N-PAK AMS	2.5 % v/v	1.5 qt/a	7 EPP	
8 Valor SX	0.096 lb ai/a	3 oz/a	FALL A	83 a 100 a 100 a 75 ab
8 Roundup PowerMax	0.77 lb ae/a	22 oz/a	FALL	
8 2,4-D Ester	0.5 lb ai/a	1 pt/a	FALL	
8 N-PAK AMS	2.5 % v/v	1.5 qt/a	FALL	
9 VALOR XLT 4 oz				92 a 100 a 100 a 100 a
9 Valor SX	0.075 lb ai/a	2.35 oz/a	FALL A	
9 Classic	0.0258 lb ai/a	1.65 oz/a	FALL	
9 Roundup PowerMax	0.77 lb ae/a	22 oz/a	FALL	
9 2,4-D Ester	0.5 lb ai/a	1 pt/a	FALL	
9 N-PAK AMS	2.5 % v/v	1.5 qt/a	FALL	
10 VALOR XLT 5 oz				97 a 100 a 100 a 100 a
10 Valor SX	0.093 lb ai/a	2.93 oz/a	FALL A	
10 Classic	0.0322 lb ai/a	2.06 oz/a	FALL	
10 Roundup PowerMax	0.77 lb ae/a	22 oz/a	FALL	
10 2,4-D Ester	0.5 lb ai/a	1 pt/a	FALL	
10 N-PAK AMS	2.5 % v/v	1.5 qt/a	FALL	
LSD (P=.05)				52.0 44.0 40.6 37.0
Standard Deviation				30.3 25.7 23.7 21.5
CV				40.7 31.18 30.31 30.27

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	CAPBP	SENGL	RANAB	VERPG						
Pest Scientific Name	Capsella bursa>	Senecio glabel>	Ranunculus abo>	Veronica peregr>						
Pest Name	Shepherd's pur>	Cressleaf grou>	Smallflower bu>	Purslane speed>						
Rating Date	Apr-17-2012	Apr-17-2012	Apr-17-2012	Apr-17-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing										
Days After First/Last Applic.										
Trt-Eval Interval	152 DA-A	152 DA-A	152 DA-A	152 DA-A						
Plant-Eval Interval	-13 DP-1	-13 DP-1	-13 DP-1	-13 DP-1						
Number of Decimals	0	0	0	0						
Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	5	6	7	8
1 Canopy EX 1.1							100 a	93 a	100 a	83 a
1 Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
1 Express	0.0046 lb ai/a		0.147 oz/a		FALL					
1 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
1 COC	1 % v/v		0.6 qt/a		FALL					
1 Canopy EX 1.1										
1 Classic	0.0156 lb ai/a		1 oz/a		7 EPP	B				
1 Express	0.0046 lb ai/a		0.147 oz/a		7 EPP					
1 2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
1 COC	1 % v/v		0.6 qt/a		7 EPP					
2 Canopy EX 1.1							100 a	100 a	100 a	100 a
2 Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
2 Express	0.0046 lb ai/a		0.147 oz/a		FALL					
2 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
2 COC	1 % v/v		0.6 qt/a		FALL					
2 Canopy	0.164 lb ai/a		3.5 oz/a		7 EPP	B				
2 2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
2 COC	1 % v/v		0.6 qt/a		7 EPP					
3 Canopy EX 1.1							100 a	100 a	100 a	93 a
3 Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
3 Express	0.0046 lb ai/a		0.147 oz/a		FALL					
3 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
3 COC	1 % v/v		0.6 qt/a		FALL					
3 VALOR XLT 3.5 oz										
3 Valor SX	0.0653 lb ai/a		2.05 oz/a		7 EPP	B				
3 Classic	0.0227 lb ai/a		1.45 oz/a		7 EPP					
3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3 2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
3 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4 VALOR XLT 2.5 oz							100 a	100 a	100 a	100 a
4 Valor SX	0.0465 lb ai/a		1.46 oz/a		FALL	A				
4 Classic	0.0161 lb ai/a		1.03 oz/a		FALL					
4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
4 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
4 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
4 VALOR XLT 2.5 oz										
4 Valor SX	0.0465 lb ai/a		1.46 oz/a		7 EPP	B				
4 Classic	0.0161 lb ai/a		1.03 oz/a		7 EPP					
4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4 2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
4 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
5 Canopy	0.234 lb ai/a		5 oz/a		7 EPP	B	60 a	17 b	7 bc	40 b
5 Ignite	0.53 lb ai/a		29 oz/a		7 EPP					
5 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	CAPBP	SENGL	RANAB	VERPG					
Pest Scientific Name	Capsella bursa>	Senecio glabel>	Ranunculus abo>	Veronica peregr>					
Pest Name	Shepherd's pur>	Cressleaf grou>	Smallflower bu>	Purslane speed>					
Rating Date	Apr-17-2012	Apr-17-2012	Apr-17-2012	Apr-17-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	152 152	152 152	152 152	152 152					
Trt-Eval Interval	152 DA-A	152 DA-A	152 DA-A	152 DA-A					
Plant-Eval Interval	-13 DP-1	-13 DP-1	-13 DP-1	-13 DP-1					
Number of Decimals	0	0	0	0					
Trt Treatment	Rate	Rate	Other Other	Growth Appl	5	6	7	8	
No. Name	Unit	Unit	Rate Rate	Unit Stage	Code				
6 VALOR XLT 4 oz						47 a	33 b	0 c	23 b
6 Valor SX	0.075 lb ai/a	2.35 oz/a			7 EPP B				
6 Classic	0.0258 lb ai/a	1.65 oz/a			7 EPP				
6 Ignite	0.53 lb ai/a	29 oz/a			7 EPP				
6 N-PAK AMS	2.5 % v/v	1.5 qt/a			7 EPP				
7 VALOR XLT 4 oz						40 a	40 b	40 b	40 b
7 Valor SX	0.075 lb ai/a	2.35 oz/a			7 EPP B				
7 Classic	0.0258 lb ai/a	1.65 oz/a			7 EPP				
7 Roundup PowerMax	0.77 lb ae/a	22 oz/a			7 EPP				
7 2,4-D Ester	0.5 lb ai/a	1 pt/a			7 EPP				
7 N-PAK AMS	2.5 % v/v	1.5 qt/a			7 EPP				
8 Valor SX	0.096 lb ai/a	3 oz/a			FALL A	100 a	93 a	85 a	100 a
8 Roundup PowerMax	0.77 lb ae/a	22 oz/a			FALL				
8 2,4-D Ester	0.5 lb ai/a	1 pt/a			FALL				
8 N-PAK AMS	2.5 % v/v	1.5 qt/a			FALL				
9 VALOR XLT 4 oz						100 a	100 a	100 a	100 a
9 Valor SX	0.075 lb ai/a	2.35 oz/a			FALL A				
9 Classic	0.0258 lb ai/a	1.65 oz/a			FALL				
9 Roundup PowerMax	0.77 lb ae/a	22 oz/a			FALL				
9 2,4-D Ester	0.5 lb ai/a	1 pt/a			FALL				
9 N-PAK AMS	2.5 % v/v	1.5 qt/a			FALL				
10 VALOR XLT 5 oz						100 a	100 a	100 a	100 a
10 Valor SX	0.093 lb ai/a	2.93 oz/a			FALL A				
10 Classic	0.0322 lb ai/a	2.06 oz/a			FALL				
10 Roundup PowerMax	0.77 lb ae/a	22 oz/a			FALL				
10 2,4-D Ester	0.5 lb ai/a	1 pt/a			FALL				
10 N-PAK AMS	2.5 % v/v	1.5 qt/a			FALL				
LSD (P=.05)						49.7	38.1	34.2	40.1
Standard Deviation						29.0	22.2	19.8	23.4
CV						34.23	28.6	27.12	30.01

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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	VERAR	LAMPU	STEME	VERAG							
Pest Scientific Name	Veronica arven>	Lamium purpure>	Stellaria media	Veronica agres>							
Pest Name	Corn speedwell	Purple deadnet>	Common chickwe>	Field speedwell							
Rating Date	Apr-17-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing		AT PLANT	AT PLANT	AT PLANT							
Days After First/Last Applic.		165 5	165 5	165 5							
Trt-Eval Interval	152 DA-A	5 DA-B	5 DA-B	5 DA-B							
Plant-Eval Interval	-13 DP-1	0 DP-1	0 DP-1	0 DP-1							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	10	11	12
1	Canopy EX 1.1							47 cd	100 a	67 a	32 de
1	Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
1	Express	0.0046 lb ai/a		0.147 oz/a		FALL					
1	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
1	COC	1 % v/v		0.6 qt/a		FALL					
1	Canopy EX 1.1										
1	Classic	0.0156 lb ai/a		1 oz/a		7 EPP	B				
1	Express	0.0046 lb ai/a		0.147 oz/a		7 EPP					
1	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
1	COC	1 % v/v		0.6 qt/a		7 EPP					
2	Canopy EX 1.1							72 abc	100 a	100 a	67 bc
2	Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
2	Express	0.0046 lb ai/a		0.147 oz/a		FALL					
2	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
2	COC	1 % v/v		0.6 qt/a		FALL					
2	Canopy	0.164 lb ai/a		3.5 oz/a		7 EPP	B				
2	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
2	COC	1 % v/v		0.6 qt/a		7 EPP					
3	Canopy EX 1.1							92 ab	100 a	100 a	93 ab
3	Classic	0.0156 lb ai/a		1 oz/a		FALL	A				
3	Express	0.0046 lb ai/a		0.147 oz/a		FALL					
3	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
3	COC	1 % v/v		0.6 qt/a		FALL					
3	VALOR XLT 3.5 oz										
3	Valor SX	0.0653 lb ai/a		2.05 oz/a		7 EPP	B				
3	Classic	0.0227 lb ai/a		1.45 oz/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	VALOR XLT 2.5 oz							100 a	100 a	100 a	100 a
4	Valor SX	0.0465 lb ai/a		1.46 oz/a		FALL	A				
4	Classic	0.0161 lb ai/a		1.03 oz/a		FALL					
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
4	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
4	VALOR XLT 2.5 oz										
4	Valor SX	0.0465 lb ai/a		1.46 oz/a		7 EPP	B				
4	Classic	0.0161 lb ai/a		1.03 oz/a		7 EPP					
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
5	Canopy	0.234 lb ai/a		5 oz/a		7 EPP	B	23 d	59 a	46 a	3 e
5	Ignite	0.53 lb ai/a		29 oz/a		7 EPP					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					



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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	VERAR	LAMPU	STEME	VERAG							
Pest Scientific Name	Veronica arven>	Lamium purpure>	Stellaria media	Veronica ages>							
Pest Name	Corn speedwell	Purple deadnet>	Common chickwe>	Field speedwell							
Rating Date	Apr-17-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing		AT PLANT	AT PLANT	AT PLANT							
Days After First/Last Applic.	152 152	165 5	165 5	165 5							
Trt-Eval Interval	152 DA-A	5 DA-B	5 DA-B	5 DA-B							
Plant-Eval Interval	-13 DP-1	0 DP-1	0 DP-1	0 DP-1							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	10	11	12
6	VALOR XLT 4 oz							30 d	90 a	73 a	57 cd
6	Valor SX	0.075 lb ai/a		2.35 oz/a		7 EPP	B				
6	Classic	0.0258 lb ai/a		1.65 oz/a		7 EPP					
6	Ignite	0.53 lb ai/a		29 oz/a		7 EPP					
6	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
7	VALOR XLT 4 oz							60 bcd	82 a	60 a	47 cd
7	Valor SX	0.075 lb ai/a		2.35 oz/a		7 EPP	B				
7	Classic	0.0258 lb ai/a		1.65 oz/a		7 EPP					
7	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
7	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
7	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
8	Valor SX	0.096 lb ai/a		3 oz/a		FALL	A	100 a	100 a	100 a	100 a
8	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
8	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
8	N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
9	VALOR XLT 4 oz							100 a	100 a	100 a	100 a
9	Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A				
9	Classic	0.0258 lb ai/a		1.65 oz/a		FALL					
9	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
9	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
9	N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
10	VALOR XLT 5 oz							100 a	100 a	100 a	100 a
10	Valor SX	0.093 lb ai/a		2.93 oz/a		FALL	A				
10	Classic	0.0322 lb ai/a		2.06 oz/a		FALL					
10	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
10	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
10	N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
	LSD (P=.05)							39.7	28.2	46.3	30.9
	Standard Deviation							23.1	16.4	26.9	18.0
	CV							31.99	17.6	31.75	25.71

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	VERPG	SENGL	CAPBP	AMBTR	ERICA					
Pest Scientific Name	Veronica peregrina	Senecio jacobinae	Capsella bursa-pastoris	Ambrosia trifida	Conyza canadensis					
Pest Name	Purslane	Cressleaf groundsel	Shepherd's purse	Giant ragweed	Canada horsenettle					
Rating Date	Apr-30-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
Rating Timing	AT PLANT	AT PLANT	AT PLANT	AT PLANT	AT PLANT					
Days After First/Last Applic.	165 5	165 5	165 5	165 5	165 5					
Trt-Eval Interval	5 DA-B	5 DA-B	5 DA-B	5 DA-B	5 DA-B					
Plant-Eval Interval	0 DP-1	0 DP-1	0 DP-1	0 DP-1	0 DP-1					
Number of Decimals	0	0	0	0	0					
Trt Treatment	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	13	14	15	16	17
1 Canopy EX 1.1						80 ab	100 a	100 a	97 a	93 a
1 Classic	0.0156 lb ai/a		1 oz/a	FALL	A					
1 Express	0.0046 lb ai/a	0.147 oz/a		FALL						
1 2,4-D Ester	0.5 lb ai/a	1 pt/a		FALL						
1 COC	1 % v/v	0.6 qt/a		FALL						
1 Canopy EX 1.1										
1 Classic	0.0156 lb ai/a		1 oz/a	7 EPP	B					
1 Express	0.0046 lb ai/a	0.147 oz/a		7 EPP						
1 2,4-D Ester	0.5 lb ai/a	1 pt/a		7 EPP						
1 COC	1 % v/v	0.6 qt/a		7 EPP						
2 Canopy EX 1.1						100 a	70 a	100 a	100 a	100 a
2 Classic	0.0156 lb ai/a		1 oz/a	FALL	A					
2 Express	0.0046 lb ai/a	0.147 oz/a		FALL						
2 2,4-D Ester	0.5 lb ai/a	1 pt/a		FALL						
2 COC	1 % v/v	0.6 qt/a		FALL						
2 Canopy	0.164 lb ai/a	3.5 oz/a		7 EPP	B					
2 2,4-D Ester	0.5 lb ai/a	1 pt/a		7 EPP						
2 COC	1 % v/v	0.6 qt/a		7 EPP						
3 Canopy EX 1.1						93 a	100 a	100 a	100 a	100 a
3 Classic	0.0156 lb ai/a		1 oz/a	FALL	A					
3 Express	0.0046 lb ai/a	0.147 oz/a		FALL						
3 2,4-D Ester	0.5 lb ai/a	1 pt/a		FALL						
3 COC	1 % v/v	0.6 qt/a		FALL						
3 VALOR XLT 3.5 oz										
3 Valor SX	0.0653 lb ai/a	2.05 oz/a		7 EPP	B					
3 Classic	0.0227 lb ai/a	1.45 oz/a		7 EPP						
3 Roundup PowerMax	0.77 lb ae/a	22 oz/a		7 EPP						
3 2,4-D Ester	0.5 lb ai/a	1 pt/a		7 EPP						
3 N-PAK AMS	2.5 % v/v	1.5 qt/a		7 EPP						
4 VALOR XLT 2.5 oz						100 a	100 a	100 a	100 a	100 a
4 Valor SX	0.0465 lb ai/a	1.46 oz/a		FALL	A					
4 Classic	0.0161 lb ai/a	1.03 oz/a		FALL						
4 Roundup PowerMax	0.77 lb ae/a	22 oz/a		FALL						
4 2,4-D Ester	0.5 lb ai/a	1 pt/a		FALL						
4 N-PAK AMS	2.5 % v/v	1.5 qt/a		FALL						
4 VALOR XLT 2.5 oz										
4 Valor SX	0.0465 lb ai/a	1.46 oz/a		7 EPP	B					
4 Classic	0.0161 lb ai/a	1.03 oz/a		7 EPP						
4 Roundup PowerMax	0.77 lb ae/a	22 oz/a		7 EPP						
4 2,4-D Ester	0.5 lb ai/a	1 pt/a		7 EPP						
4 N-PAK AMS	2.5 % v/v	1.5 qt/a		7 EPP						
5 Canopy	0.234 lb ai/a	5 oz/a		7 EPP	B	3 d	47 a	3 c	65 a	100 a
5 Ignite	0.53 lb ai/a	29 oz/a		7 EPP						
5 N-PAK AMS	2.5 % v/v	1.5 qt/a		7 EPP						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code	VERPG	SENGL	CAPBP	AMBTR	ERICA						
Pest Scientific Name	Veronica pereg>	Senecio glabel>	Capsella bursa>	Ambrosia trifi>	Conyza canaden>						
Pest Name	Purslane	Cressleaf grou>	Shepherd's pur>	Giant ragweed	Canada horsewe>						
Rating Date	Apr-30-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%						
Number of Subsamples	1	1	1	1	1						
Rating Timing	AT PLANT	AT PLANT	AT PLANT	AT PLANT	AT PLANT						
Days After First/Last Applic.	165 5	165 5	165 5	165 5	165 5						
Trt-Eval Interval	5 DA-B	5 DA-B	5 DA-B	5 DA-B	5 DA-B						
Plant-Eval Interval	0 DP-1	0 DP-1	0 DP-1	0 DP-1	0 DP-1						
Number of Decimals	0	0	0	0	0						
Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	13	14	15	16	17
6 VALOR XLT 4 oz							51 bc	98 a	42 bc	100 a	100 a
6 Valor SX	0.075 lb ai/a		2.35 oz/a			7 EPP B					
6 Classic	0.0258 lb ai/a		1.65 oz/a			7 EPP					
6 Ignite	0.53 lb ai/a		29 oz/a			7 EPP					
6 N-PAK AMS	2.5 % v/v		1.5 qt/a			7 EPP					
7 VALOR XLT 4 oz							47 c	90 a	43 bc	97 a	100 a
7 Valor SX	0.075 lb ai/a		2.35 oz/a			7 EPP B					
7 Classic	0.0258 lb ai/a		1.65 oz/a			7 EPP					
7 Roundup PowerMax	0.77 lb ae/a		22 oz/a			7 EPP					
7 2,4-D Ester	0.5 lb ai/a		1 pt/a			7 EPP					
7 N-PAK AMS	2.5 % v/v		1.5 qt/a			7 EPP					
8 Valor SX	0.096 lb ai/a		3 oz/a		FALL	A	100 a	98 a	68 ab	93 a	100 a
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
8 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
8 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
9 VALOR XLT 4 oz							100 a	100 a	100 a	100 a	100 a
9 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A					
9 Classic	0.0258 lb ai/a		1.65 oz/a		FALL						
9 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
9 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
9 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
10 VALOR XLT 5 oz							100 a	100 a	100 a	95 a	100 a
10 Valor SX	0.093 lb ai/a		2.93 oz/a		FALL	A					
10 Classic	0.0322 lb ai/a		2.06 oz/a		FALL						
10 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
10 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
10 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
LSD (P=.05)							32.7	36.9	50.6	27.4	6.3
Standard Deviation							18.9	21.5	29.5	16.0	3.7
CV							24.43	23.8	38.96	16.87	3.68

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	STEME	LAMPU	VERAG	VERPG					
Pest Scientific Name	Stellaria media	Lamium purpure>	Veronica agres>	Veronica peregr>					
Pest Name	Common chickwe>	Purple deadnet>	Field speedwell	Purslane speed>					
Rating Date	May-14-2012	May-14-2012	May-14-2012	May-14-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	179 19	179 19	179 19	179 19					
Trt-Eval Interval	19 DA-B	19 DA-B	19 DA-B	19 DA-B					
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1					
Number of Decimals	0	0	0	0					
Trt Treatment	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	18	19	20	21
1 Canopy EX 1.1						100 a	100 a	97 b	100 a
1 Classic	0.0156 lb ai/a		1 oz/a	FALL	A				
1 Express	0.0046 lb ai/a	0.147 oz/a		FALL					
1 2,4-D Ester	0.5 lb ai/a	1 pt/a		FALL					
1 COC	1 % v/v	0.6 qt/a		FALL					
1 Canopy EX 1.1									
1 Classic	0.0156 lb ai/a		1 oz/a	7 EPP	B				
1 Express	0.0046 lb ai/a	0.147 oz/a		7 EPP					
1 2,4-D Ester	0.5 lb ai/a	1 pt/a		7 EPP					
1 COC	1 % v/v	0.6 qt/a		7 EPP					
2 Canopy EX 1.1						100 a	100 a	100 a	100 a
2 Classic	0.0156 lb ai/a		1 oz/a	FALL	A				
2 Express	0.0046 lb ai/a	0.147 oz/a		FALL					
2 2,4-D Ester	0.5 lb ai/a	1 pt/a		FALL					
2 COC	1 % v/v	0.6 qt/a		FALL					
2 Canopy	0.164 lb ai/a	3.5 oz/a		7 EPP	B				
2 2,4-D Ester	0.5 lb ai/a	1 pt/a		7 EPP					
2 COC	1 % v/v	0.6 qt/a		7 EPP					
3 Canopy EX 1.1						100 a	100 a	100 a	100 a
3 Classic	0.0156 lb ai/a		1 oz/a	FALL	A				
3 Express	0.0046 lb ai/a	0.147 oz/a		FALL					
3 2,4-D Ester	0.5 lb ai/a	1 pt/a		FALL					
3 COC	1 % v/v	0.6 qt/a		FALL					
3 VALOR XLT 3.5 oz									
3 Valor SX	0.0653 lb ai/a	2.05 oz/a		7 EPP	B				
3 Classic	0.0227 lb ai/a	1.45 oz/a		7 EPP					
3 Roundup PowerMax	0.77 lb ae/a	22 oz/a		7 EPP					
3 2,4-D Ester	0.5 lb ai/a	1 pt/a		7 EPP					
3 N-PAK AMS	2.5 % v/v	1.5 qt/a		7 EPP					
4 VALOR XLT 2.5 oz						100 a	100 a	100 a	100 a
4 Valor SX	0.0465 lb ai/a	1.46 oz/a		FALL	A				
4 Classic	0.0161 lb ai/a	1.03 oz/a		FALL					
4 Roundup PowerMax	0.77 lb ae/a	22 oz/a		FALL					
4 2,4-D Ester	0.5 lb ai/a	1 pt/a		FALL					
4 N-PAK AMS	2.5 % v/v	1.5 qt/a		FALL					
4 VALOR XLT 2.5 oz									
4 Valor SX	0.0465 lb ai/a	1.46 oz/a		7 EPP	B				
4 Classic	0.0161 lb ai/a	1.03 oz/a		7 EPP					
4 Roundup PowerMax	0.77 lb ae/a	22 oz/a		7 EPP					
4 2,4-D Ester	0.5 lb ai/a	1 pt/a		7 EPP					
4 N-PAK AMS	2.5 % v/v	1.5 qt/a		7 EPP					
5 Canopy	0.234 lb ai/a	5 oz/a		7 EPP	B	99 a	100 a	100 a	100 a
5 Ignite	0.53 lb ai/a	29 oz/a		7 EPP					
5 N-PAK AMS	2.5 % v/v	1.5 qt/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	STEME	LAMPU	VERAG	VERPG						
Pest Scientific Name	Stellaria media	Lamium purpure>	Veronica agres>	Veronica peregr>						
Pest Name	Common chickwe>	Purple deadnet>	Field speedwell	Purslane speed>						
Rating Date	May-14-2012	May-14-2012	May-14-2012	May-14-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing										
Days After First/Last Applic.	179 19	179 19	179 19	179 19						
Trt-Eval Interval	19 DA-B	19 DA-B	19 DA-B	19 DA-B						
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1						
Number of Decimals	0	0	0	0						
Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	18	19	20	21
6 VALOR XLT 4 oz							97 a	100 a	99 a	100 a
6 Valor SX	0.075 lb ai/a		2.35 oz/a		7 EPP	B				
6 Classic	0.0258 lb ai/a		1.65 oz/a		7 EPP					
6 Ignite	0.53 lb ai/a		29 oz/a		7 EPP					
6 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
7 VALOR XLT 4 oz							100 a	100 a	100 a	100 a
7 Valor SX	0.075 lb ai/a		2.35 oz/a		7 EPP	B				
7 Classic	0.0258 lb ai/a		1.65 oz/a		7 EPP					
7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
7 2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP					
7 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
8 Valor SX	0.096 lb ai/a		3 oz/a		FALL	A	100 a	100 a	100 a	100 a
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
8 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
8 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
9 VALOR XLT 4 oz							100 a	100 a	100 a	100 a
9 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A				
9 Classic	0.0258 lb ai/a		1.65 oz/a		FALL					
9 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
9 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
9 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
10 VALOR XLT 5 oz							100 a	100 a	100 a	100 a
10 Valor SX	0.093 lb ai/a		2.93 oz/a		FALL	A				
10 Classic	0.0322 lb ai/a		2.06 oz/a		FALL					
10 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
10 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL					
10 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL					
LSD (P=.05)							3.2	0.0	1.7	0.0
Standard Deviation							1.9	0.0	1.0	0.0
CV							1.89	0.0	0.97	0.0

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code	SENGL	CAPBP	ERICA	AMBTR	SETFA						
Pest Scientific Name	Senecio glabel>	Capsella bursa>	Conyza canad>	Ambrosia trifri>	Setaria faberi						
Pest Name	Cressleaf grou>	Shepherd's pur>	Canada horsewe>	Giant ragweed	Giant foxtail						
Rating Date	May-14-2012	May-14-2012	May-14-2012	May-14-2012	May-14-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%						
Number of Subsamples	1	1	1	1	1						
Rating Timing											
Days After First/Last Applic.	179 19	179 19	179 19	179 19	179 19						
Trt-Eval Interval	19 DA-B	19 DA-B	19 DA-B	19 DA-B	19 DA-B						
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1	14 DP-1						
Number of Decimals	0	0	0	0	0						
Trt Treatment	Rate	Rate	Other	Other	Growth	Appl	22	23	24	25	26
No. Name	Unit	Unit	Rate	Rate	Stage	Code					
1 Canopy EX 1.1							100 a	100 a	100 a	100 a	77 a
1 Classic	0.0156 lb ai/a		1 oz/a		FALL	A					
1 Express	0.0046 lb ai/a	0.147 oz/a			FALL						
1 2,4-D Ester	0.5 lb ai/a	1 pt/a			FALL						
1 COC	1 % v/v	0.6 qt/a			FALL						
1 Canopy EX 1.1											
1 Classic	0.0156 lb ai/a		1 oz/a		7 EPP	B					
1 Express	0.0046 lb ai/a	0.147 oz/a			7 EPP						
1 2,4-D Ester	0.5 lb ai/a	1 pt/a			7 EPP						
1 COC	1 % v/v	0.6 qt/a			7 EPP						
2 Canopy EX 1.1							100 a	100 a	100 a	100 a	86 a
2 Classic	0.0156 lb ai/a		1 oz/a		FALL	A					
2 Express	0.0046 lb ai/a	0.147 oz/a			FALL						
2 2,4-D Ester	0.5 lb ai/a	1 pt/a			FALL						
2 COC	1 % v/v	0.6 qt/a			FALL						
2 Canopy	0.164 lb ai/a	3.5 oz/a			7 EPP	B					
2 2,4-D Ester	0.5 lb ai/a	1 pt/a			7 EPP						
2 COC	1 % v/v	0.6 qt/a			7 EPP						
3 Canopy EX 1.1							100 a	100 a	100 a	100 a	100 a
3 Classic	0.0156 lb ai/a		1 oz/a		FALL	A					
3 Express	0.0046 lb ai/a	0.147 oz/a			FALL						
3 2,4-D Ester	0.5 lb ai/a	1 pt/a			FALL						
3 COC	1 % v/v	0.6 qt/a			FALL						
3 VALOR XLT 3.5 oz											
3 Valor SX	0.0653 lb ai/a	2.05 oz/a			7 EPP	B					
3 Classic	0.0227 lb ai/a	1.45 oz/a			7 EPP						
3 Roundup PowerMax	0.77 lb ae/a	22 oz/a			7 EPP						
3 2,4-D Ester	0.5 lb ai/a	1 pt/a			7 EPP						
3 N-PAK AMS	2.5 % v/v	1.5 qt/a			7 EPP						
4 VALOR XLT 2.5 oz							100 a	100 a	100 a	100 a	99 a
4 Valor SX	0.0465 lb ai/a	1.46 oz/a			FALL	A					
4 Classic	0.0161 lb ai/a	1.03 oz/a			FALL						
4 Roundup PowerMax	0.77 lb ae/a	22 oz/a			FALL						
4 2,4-D Ester	0.5 lb ai/a	1 pt/a			FALL						
4 N-PAK AMS	2.5 % v/v	1.5 qt/a			FALL						
4 VALOR XLT 2.5 oz											
4 Valor SX	0.0465 lb ai/a	1.46 oz/a			7 EPP	B					
4 Classic	0.0161 lb ai/a	1.03 oz/a			7 EPP						
4 Roundup PowerMax	0.77 lb ae/a	22 oz/a			7 EPP						
4 2,4-D Ester	0.5 lb ai/a	1 pt/a			7 EPP						
4 N-PAK AMS	2.5 % v/v	1.5 qt/a			7 EPP						
5 Canopy	0.234 lb ai/a	5 oz/a			7 EPP	B	100 a	100 a	100 a	100 a	99 a
5 Ignite	0.53 lb ai/a	29 oz/a			7 EPP						
5 N-PAK AMS	2.5 % v/v	1.5 qt/a			7 EPP						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code	SENGL	CAPBP	ERICA	AMBTR	SETFA						
Pest Scientific Name	Senecio label>	Capsella bursa>	Conyza canadens>	Ambrosia trifi>	Setaria faberi						
Pest Name	Cressleaf grou>	Shepherd's pur>	Canada horsewe>	Giant ragweed	Giant foxtail						
Rating Date	May-14-2012	May-14-2012	May-14-2012	May-14-2012	May-14-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%						
Number of Subsamples	1	1	1	1	1						
Rating Timing											
Days After First/Last Applic.	179 19	179 19	179 19	179 19	179 19						
Trt-Eval Interval	19 DA-B	19 DA-B	19 DA-B	19 DA-B	19 DA-B						
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1	14 DP-1						
Number of Decimals	0	0	0	0	0						
Trt Treatment	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22	23	24	25	26
No. Name											
6 VALOR XLT 4 oz							100 a	98 a	100 a	98 a	100 a
6 Valor SX	0.075 lb ai/a		2.35 oz/a		7 EPP	B					
6 Classic	0.0258 lb ai/a		1.65 oz/a		7 EPP						
6 Ignite	0.53 lb ai/a		29 oz/a		7 EPP						
6 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
7 VALOR XLT 4 oz							100 a	100 a	100 a	100 a	98 a
7 Valor SX	0.075 lb ai/a		2.35 oz/a		7 EPP	B					
7 Classic	0.0258 lb ai/a		1.65 oz/a		7 EPP						
7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
7 2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP						
7 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
8 Valor SX	0.096 lb ai/a		3 oz/a		FALL	A	98 a	98 a	100 a	95 a	67 a
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
8 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
8 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
9 VALOR XLT 4 oz							100 a	100 a	100 a	90 a	73 a
9 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A					
9 Classic	0.0258 lb ai/a		1.65 oz/a		FALL						
9 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
9 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
9 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
10 VALOR XLT 5 oz							100 a	100 a	100 a	95 a	58 a
10 Valor SX	0.093 lb ai/a		2.93 oz/a		FALL	A					
10 Classic	0.0322 lb ai/a		2.06 oz/a		FALL						
10 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
10 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
10 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
LSD (P=.05)							1.6	2.1	0.0	10.3	32.6
Standard Deviation							0.9	1.2	0.0	6.0	19.0
CV							0.91	1.22	0.0	6.17	22.15

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	ERICA	AMBTR	ERICA
Pest Scientific Name	Setaria faberi	Conyza canadensis	Ambrosia trifida	Conyza canadensis
Pest Name	Giant foxtail	Canada horseweed	Giant ragweed	Canada horseweed
Rating Date	May-29-2012	May-29-2012	May-29-2012	Jun-25-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Rating Timing				
Days After First/Last Applic.	194 34	194 34	194 34	221 61
Trt-Eval Interval	34 DA-B	34 DA-B	34 DA-B	61 DA-B
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	56 DP-1
Number of Decimals	0		0	

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	27	28	29	30	31
1	Canopy EX 1.1							60 bcd	100.0 a	100 a	64.7 a	
1	Classic	0.0156 lb ai/a		1 oz/a		FALL	A					
1	Express	0.0046 lb ai/a		0.147 oz/a		FALL						
1	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
1	COC	1 % v/v		0.6 qt/a		FALL						
1	Canopy EX 1.1											
1	Classic	0.0156 lb ai/a		1 oz/a		7 EPP	B					
1	Express	0.0046 lb ai/a		0.147 oz/a		7 EPP						
1	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP						
1	COC	1 % v/v		0.6 qt/a		7 EPP						
2	Canopy EX 1.1							63 abc	100.0 a	100 a	88.3 a	
2	Classic	0.0156 lb ai/a		1 oz/a		FALL	A					
2	Express	0.0046 lb ai/a		0.147 oz/a		FALL						
2	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
2	COC	1 % v/v		0.6 qt/a		FALL						
2	Canopy	0.164 lb ai/a		3.5 oz/a		7 EPP	B					
2	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP						
2	COC	1 % v/v		0.6 qt/a		7 EPP						
3	Canopy EX 1.1							80 ab	100.0 a	93 a	100.0 a	
3	Classic	0.0156 lb ai/a		1 oz/a		FALL	A					
3	Express	0.0046 lb ai/a		0.147 oz/a		FALL						
3	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
3	COC	1 % v/v		0.6 qt/a		FALL						
3	VALOR XLT 3.5 oz											
3	Valor SX	0.0653 lb ai/a		2.05 oz/a		7 EPP	B					
3	Classic	0.0227 lb ai/a		1.45 oz/a		7 EPP						
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
3	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP						
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
4	VALOR XLT 2.5 oz							82 ab	100.0 a	100 a	91.7 a	
4	Valor SX	0.0465 lb ai/a		1.46 oz/a		FALL	A					
4	Classic	0.0161 lb ai/a		1.03 oz/a		FALL						
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
4	2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
4	VALOR XLT 2.5 oz											
4	Valor SX	0.0465 lb ai/a		1.46 oz/a		7 EPP	B					
4	Classic	0.0161 lb ai/a		1.03 oz/a		7 EPP						
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
4	2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP						
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
5	Canopy	0.234 lb ai/a		5 oz/a		7 EPP	B	73 abc	93.3 a	87 a	78.0 a	
5	Ignite	0.53 lb ai/a		29 oz/a		7 EPP						
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						



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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	SETFA	ERICA	AMBTR	ERICA							
Pest Scientific Name	Setaria faberi	Conyza canadensis	Ambrosia trifida	Conyza canadensis							
Pest Name	Giant foxtail	Canada horseweed	ragweed	Giant Canada horseweed							
Rating Date	May-29-2012	May-29-2012	May-29-2012	Jun-25-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing											
Days After First/Last Applic.	194 34	194 34	194 34	221 61							
Trt-Eval Interval	34 DA-B	34 DA-B	34 DA-B	61 DA-B							
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	56 DP-1							
Number of Decimals	0	0	0	0							
Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	27	28	29	30	31
6 VALOR XLT 4 oz							92 a	100.0 a	93 a	100.0 a	
6 Valor SX	0.075 lb ai/a		2.35 oz/a		7 EPP	B					
6 Classic	0.0258 lb ai/a		1.65 oz/a		7 EPP						
6 Ignite	0.53 lb ai/a		29 oz/a		7 EPP						
6 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
7 VALOR XLT 4 oz							83 ab	100.0 a	100 a	91.7 a	
7 Valor SX	0.075 lb ai/a		2.35 oz/a		7 EPP	B					
7 Classic	0.0258 lb ai/a		1.65 oz/a		7 EPP						
7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
7 2,4-D Ester	0.5 lb ai/a		1 pt/a		7 EPP						
7 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
8 Valor SX	0.096 lb ai/a		3 oz/a		FALL	A	20 e	100.0 a	57 a	71.7 a	
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
8 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
8 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
9 VALOR XLT 4 oz							43 cde	95.0 a	70 a	94.7 a	
9 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A					
9 Classic	0.0258 lb ai/a		1.65 oz/a		FALL						
9 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
9 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
9 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
10 VALOR XLT 5 oz							30 de	100.0 a	70 a	88.3 a	
10 Valor SX	0.093 lb ai/a		2.93 oz/a		FALL	A					
10 Classic	0.0322 lb ai/a		2.06 oz/a		FALL						
10 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
10 2,4-D Ester	0.5 lb ai/a		1 pt/a		FALL						
10 N-PAK AMS	2.5 % v/v		1.5 qt/a		FALL						
LSD (P=.05)							31.6	8.04	33.9	29.75	.
Standard Deviation							18.4	4.68	19.8	17.34	.
CV							29.45	4.74	22.71	19.96	.